

# RESEARCH ASSIGNMENT #9

## INSTRUCTIONS

**SUBJECT: SECURE SOFTWARE DEVELOPMENT**

**YOUR PAPER SHOULD INCLUDE, BUT IS NOT LIMITED TO:**

Research coding models or systems.  
What concepts or tools are increasing security for code developers?

Here is a source to help you get started:

OWASP Secure Coding Practices - Quick Reference Guide

Use the updated link:

[https://owasp.org/www-pdf-archive/OWASP SCP Quick Reference Guide v2.pdf](https://owasp.org/www-pdf-archive/OWASP_SCP_Quick_Reference_Guide_v2.pdf)

Explain:

What is the “waterfall” paradigm of programming development?

How does that enhance the security of software?

What is the “agile” paradigm of programming development?

How does that enhance the security of software?

Mention 2 other kinds of software development

What is the difference between a malicious hacker and a developer?

Where can a security flaw be introduced into the software?

Does a flaw in the program affect just the program?

If not, how far can a program flaw go?

Summarize the highlights of each chapter of the OWASP Secure Coding Practices Quick Reference Guide

### REMEMBER:

You are graded on grammar, spelling and punctuation as well as your content.

There is a 1/2 point deduction for each error that your paper generates on [www.languagetool.org](http://www.languagetool.org)

There is a 1/2 point deduction for not defining a term before using it.

There is a 1/2 point deduction for not defining an abbreviation properly.

Ex. All Abbreviations Must Be Defined (AAMBD)

There is a 1/2 point deduction for not defining an abbreviation before using it.

Wikipedia is not a citation. There is a 10 point deduction for citing Wikipedia.